

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1.1) as $t \rightarrow \infty$. In the second part, we study the asymptotic behavior of the solutions of the system (1.1) as $t \rightarrow 0$. In the third part, we study the asymptotic behavior of the solutions of the system (1.1) as $t \rightarrow \infty$ and $t \rightarrow 0$.

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